TEAM ARBITRARY

Professional Development Notebook

System Design Specification

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**MANAGEMENT SUMMARY**

This system has been designed to aid users in tracking their professional development efforts through an online Professional Development Notebook. At the website’s homepage, all users will be able to read about what the Professional Development Notebook does and how to use it. From there, new users will be able to create an account, and existing users will be able to log in. They will then be redirected to a page which shows a “notebook” containing their current log of professional development events. From this page, users will be able to add new events to their notebook. Users will also be able to view their personal account information, such as username and password, on a separate page of the website. Finally, of course, users will be able to log out and will be redirected back to the homepage.

**SYSTEM COMPONENTS**

***UI WINDOW LAYOUTS AND DESCRIPTIONS***

**HOMEPAGE**

The homepage will be the first page the user sees when accessing the website. It contains text with information about the system’s purpose and functions, as well as clickable buttons to take the user to the sign-in and sign-up pages, respectively. As of right now, the homepage has not been fully completed, so no screencap will be provided here currently.

**SIGN-IN PAGE**

The sign-in page allows the user to access their Professional Development Notebook account. An existing user enters their username and password into the designated fields and then clicks the sign in button below. If the sign in is successful, a window will appear with a message informing the user that their sign-in attempt has been successful. If the user’s sign-in information could not be located in the system’s database, a window containing an error message will appear to inform the user they have entered their credentials incorrectly.

Graphical user interface, application, Teams

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Text

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**SIGN-UP PAGE**

The sign-up page allows new users to create a valid account with credentials that will be used to log in to their own Professional Development Notebook. A new user fills out the designated fields with their desired username, password, and email address. These input values are then stored in the system’s database for future reference. Users will then be able to access their accounts through the sign-in page. If a user attempts to submit the sign-up form without entering a username or password, they will be prompted to do so; however, entering an email is optional for creating an account. When the user creates an account, a window will appear with a message informing them that their sign-up attempt was successful.

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

**USER DATA PAGE – “NOTEBOOK”**

On this page, users will be able to view the professional development events that they have recorded so far in their Professional Development Notebook through the professional development form, which will be discussed more extensively in the next segment. All of the data from each form submission will be displayed individually, and users will have the option to delete these. There will also be a button to add a new professional development event to this “notebook” page, which will redirect to the page containing the professional development form. While the functionality of this notebook page is mostly completed, the design is not, so screencaps of the screens will not be included here yet.

**PROFESSIONAL DEVELOPMENT COMPLETION FORM**

This page contains a form with input fields referring to relevant professional development questions. This form will contain:

* Radio buttons to designate whether the user is a full-time faculty member or an adjunct faculty member.

Graphical user interface, text, application, chat or text message

Description automatically generated

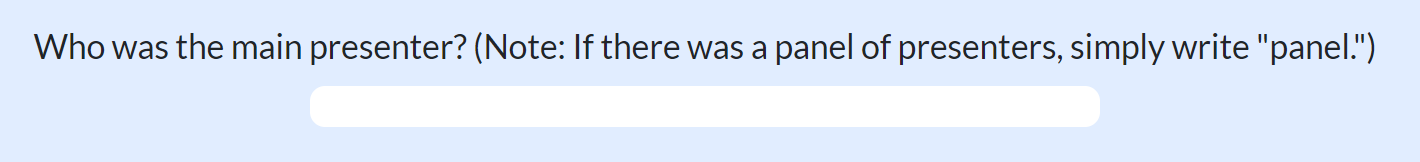
* A picture containing graphical user interface

  Description automatically generatedA text input field for users to input the name of the professional development event they attended.
* A picture containing text

  Description automatically generatedRadio buttons to designate whether the professional development event that was attended was virtual or in-person
* Graphical user interface, text

  Description automatically generated with medium confidenceA date input field for users to select the date which the professional development event begun.
* Graphical user interface

  Description automatically generated with medium confidenceA date input field for users to select the date which the professional development event ended.
* Graphical user interface

  Description automatically generatedA text input field for users to enter which organization hosted the professional development event.
* A text input field for users to enter the main presenter(s) of the event.
* Graphical user interface, text, application

  Description automatically generatedA textarea input field where users may describe the event they attended and how it relates to their personal professional development efforts.
* A submit button that will submit the date entered into the form to the system database.

A picture containing text

Description automatically generated

**USER ACCOUNT PAGE**

On this page, the user will be able to view their personal account details such as their username, password, and email. This page is not yet completed, so no screencaps will be included yet.

***DFDs AND SOURCE DOCUMENTS***

**CONTEXT DIAGRAM**

Diagram

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**PROPOSED BUSINESS PROCESS SWIM LANE DIAGRAM**

**Diagram

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**SOURCE MOCK-UPS**

***SOURCE LOGIN SCREEN LAYOUT MOCKUP***

Table

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***SOURCE HOMEPAGE LAYOUT MOCK-UP***

Graphical user interface, text, application

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***SOURCE FORM LAYOUT MOCKUP***

Graphical user interface, application

Description automatically generated

***SOURCE USER DATA SCREEN LAYOUT MOCKUP***

Application

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**SYSTEM ENVIRONMENT**

The constraints affecting this system are as follows:

* The website must be hosted through a source that supports PHP.
* The website must be hosted through a source that supports database integration.
* The form must use PDO connections on the backend to submit relevant data to the database through PHP.
* Prepared MySQL statements should be used to prevent against SQL inject attacks.